J-2Y(ST)Y...ST III BD

Installation cable in accordance with DIN VDE 0815 with PE core insulation

J-2Y(ST)Y...ST III BD indoor telecommunication installation cable, VDE 0815 style, static screen, high transmission speed through low capacitance and star quads

Interference signals

Benefits

Suitable for data transmission rates of up to 16 Mbits/s
Aluminium-laminated plastic foil static screen with tin-plated drain wire minimises the interference of high frequency, electromagnetic fields

Application range

Connection cable for use in electronics and in measurement, control and signal applications
Examples of use: for connecting EDP system units or for circuits for airfield lighting, ISDN private branch exchanges, operating data acquisition, operating data entry, access control and time recording systems, industrial electronics, all designed for maximum security and speed
Can be used in dry and wet interiors for fixed installation on and under plaster

Product features

Flame-retardant according IEC 60332-1-2

Norm references / Approvals

Based on DIN VDE 0815

Last Update (30.04.2018)

Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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Product Make-up

Solid bare copper conductor
Core insulation made of polyethylene (PE)
Cores twisted into star quads,
5 star quads are twisted into a bundle,
bundles stranded in layers
Foil wrapping,
static screening made of aluminium-laminated plastic film with copper drain wire
Outer sheath made of PVC
Outer sheath colour: pebble grey (RAL 7032)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000829 ETIM 5.0 Class-Description: Signal-/telecommunications cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000829 ETIM 6.0 Class-Description: Signal-/telecommunications cable
Core identification code:	according to VDE 0815, refer to Appendix T10
Mutual capacitance:	(800 Hz) max. 52 nF/km
Peak operating voltage:	(not for power applications) 300 V
Coupling:	K1: 98 % <400 pF/300 m K9-12: 98 % < 100 pF/300 m
Conductor cross-section in:	0.6 mm: 0.28 mm²
Cable attenuation/attenuation:	At 16 MHz: < 8 dB/100 m
Minimum bending radius:	Fixed installation: 10 x outer diameter
Short-range crosstalk attenuation:	4-16 MHz: 2-pair ≥ 45 dB 4-16 MHz: >2-pair ≥ 20 dB
Test voltage:	Core/core: 500 V Core/screen: 2000 V
Loop resistance:	max. 130 ohm/km
Characteristic impedance:	100 Ω ± 15%
Temperature range:	Occasional flexing: -5°C to +50°C Fixed installation: -30°C to +70°C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 100/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Photographs and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

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PRODUCT INFORMATION

Article number	Number of pairs and conductor diameter (mm)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
J-2Y(ST)Y...ST III BD				
0034171	2 x 2 x 0.6	5.5	13	40
0034173	4 x 2 x 0.6	7.5	24	60
0034176	10 x 2 x 0.6	9.5	58	148
0034178	20 x 2 x 0.6	13.5	116	190